

9/19/11

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

02454683    \*\*Image available\*\*

SEALING MECHANISM FOR VOLUME TYPE COMPRESSOR

PUB. NO.:        63-071583 [JP 63071583 A]  
PUBLISHED:      March 31, 1988 (19880331)  
INVENTOR(s):    SAKAI TAKESHI  
APPLICANT(s):   NIPPON DENSO CO LTD [000426] (A Japanese Company or  
                 Corporation), JP (Japan)  
APPL. NO.:      61-214707 [JP 86214707]  
FILED:          September 11, 1986 (19860911)  
INTL CLASS:     [4] F04B-039/00; F04B-027/08;    **F16J-015/32**  
JAPIO CLASS:    24.1 (CHEMICAL ENGINEERING -- Fluid Transportation); 22.1  
                 (MACHINERY -- Machine Elements)  
JOURNAL:        Section: M, Section No. 730, Vol. 12, No. 294, Pg. 105,  
                 August 11, 1988 (19880811)

#### ABSTRACT

PURPOSE: To reduce the machining manpower and the assembling manpower, by integrating an annular retainer contactable against a sealing member at a bearing section of a rotary shaft in a volume type compressor with a backup ring.

CONSTITUTION: A **sealing** member 9 provided at a **bearing** section 8 of a rotary **shaft** 4 has a **lip** portion 11 slidable liquid-tightly against the outer circumference of the rotary **shaft** 4. In order to maintain the position of said **sealing** member 9, an annular retainer 13 contactable against the **sealing** member 9 is formed integrally with a backup ring 14 which contacts against the **lip** portion 11 and prevents falling off of the **lip** portion 11 from an annular coil spring 12 when said **lip** portion 11 is deformed by the pressure fed from an air-tight chamber R. Since the retainer and the backup ring are not required to be constructed with independent members nor a negative pressure hole for preventing application of pressure from the air-tight chamber onto the **lip** portion is required to be made through housing, part machining manpower and assembling manpower can be reduced remarkably.

C:\Program Files\Dialog\DialogLink\Graphics\48.bmp

